

**To:** OBrien, Wendy[OBrien.Wendy@epa.gov]  
**From:** Griffin, Susan  
**Sent:** Wed 8/12/2015 5:51:48 PM  
**Subject:** RE: Screening levels for recreational receptors at the Gold King Mine Site

Sorry I wasn't available. I haven't been able to get access to my email until now. Regarding the dermal component, metals have an ionic binding component which limits absorption across the dermis. In reality the contribution from the dermal component is minimal. So Kevin is correct.

---

From: OBrien, Wendy  
Sent: Wednesday, August 12, 2015 8:39 AM  
To: Griffin, Susan  
Subject: FW: Screening levels for recreational receptors at the Gold King Mine Site

Hey Susan,  
Wanted to give you a heads up about the screening levels you derived for us – see email chain below. To my knowledge, IRIS is not part of our unified command, but things change rapidly. I have also shared this with Deb and asked for clarification. If you could be on our 10 am MT call (I think I already forwarded you the invite but will double check), that would be great.  
Thank you. My cell is Personal Phone/Ex. 6

Wendy O'Brien, DVM, PhD, DABT  
Toxicologist, Ecosystems Protection and Remediation  
USEPA Region 8  
1595 Wynkoop Street  
Denver, CO 80202

Phone: 303.312.6712  
FAX: 303.312.7151

From: Smith, Terry  
Sent: Wednesday, August 12, 2015 7:14 AM  
To: OBrien, Wendy  
Cc: Woodyard, Josh; Tulis, Dana; Cheatham, Reggie  
Subject: Fw: Screening levels for recreational receptors at the Gold King Mine Site

Hi Wendy:

I know this is probably late, but wanted to pass this along from ORD staff on the recreational level document you sent out yesterday.

Terry

---

From: Garrahan, Kevin  
Sent: Wednesday, August 12, 2015 8:53 AM  
To: Smith, Terry  
Subject: FW: Screening levels for recreational receptors at the Gold King Mine Site

FYI.

From: Flowers, Lynn  
Sent: Wednesday, August 12, 2015 8:11 AM  
To: Koglin, Eric; Cogliano, Vincent; Shannon, Teresa  
Cc: Sayles, Gregory; Garrahan, Kevin; Olden, Kenneth; Ross, Mary  
Subject: RE: Screening levels for recreational receptors at the Gold King Mine Site

Eric et al:

# Deliberative Process/Ex. 5

We have a couple of folks here who could double-check the input parameters, toxicity values and final screening levels if you would like a second set of eyes on the details. And also think more (than I know) about the dermal issue.

I will call Kevin now.

Lynn

Lynn Flowers, PhD, DABT

Associate Director for Health

National Center for Environmental Assessment

US EPA

Washington, DC

703-347-8537

From: Koglin, Eric

Sent: Tuesday, August 11, 2015 7:36 PM

To: Flowers, Lynn; Cogliano, Vincent; Shannon, Teresa

Cc: Sayles, Gregory; Garrahan, Kevin; Olden, Kenneth; Ross, Mary

Subject: Screening levels for recreational receptors at the Gold King Mine Site

All

I'm helping to coordinate ORD's reachback support to the Gold King Mine release. The Regions are pulling together a lot of data and information. The attached is a draft document developed by Region 8 that provides screening levels that they want to use for recreational receptors for the Animas and San Juan River users.

I would appreciate it if you could take a quick look at the information in the attached to see if anything jumps out at you. ORD did not receive this document until after review comments were due at 1900 EST today, but I think it's important for our ORD experts to take a look just in case something was missed.

Hopefully you'll be able to find a few minutes to look this over first thing in your morning or if you think there is someone else that should be contacted.

Please contact Kevin Garrahan at 202-250-8924 (ORD Desk in the EOC) or me as soon as you can tomorrow.

I apologize for the rush.

Eric

Eric Koglin

USEPA

NHSRC

P.O. Box 93478

Las Vegas, NV 89193-3478

702-798-2332 (o)

513-288-5497 (c)